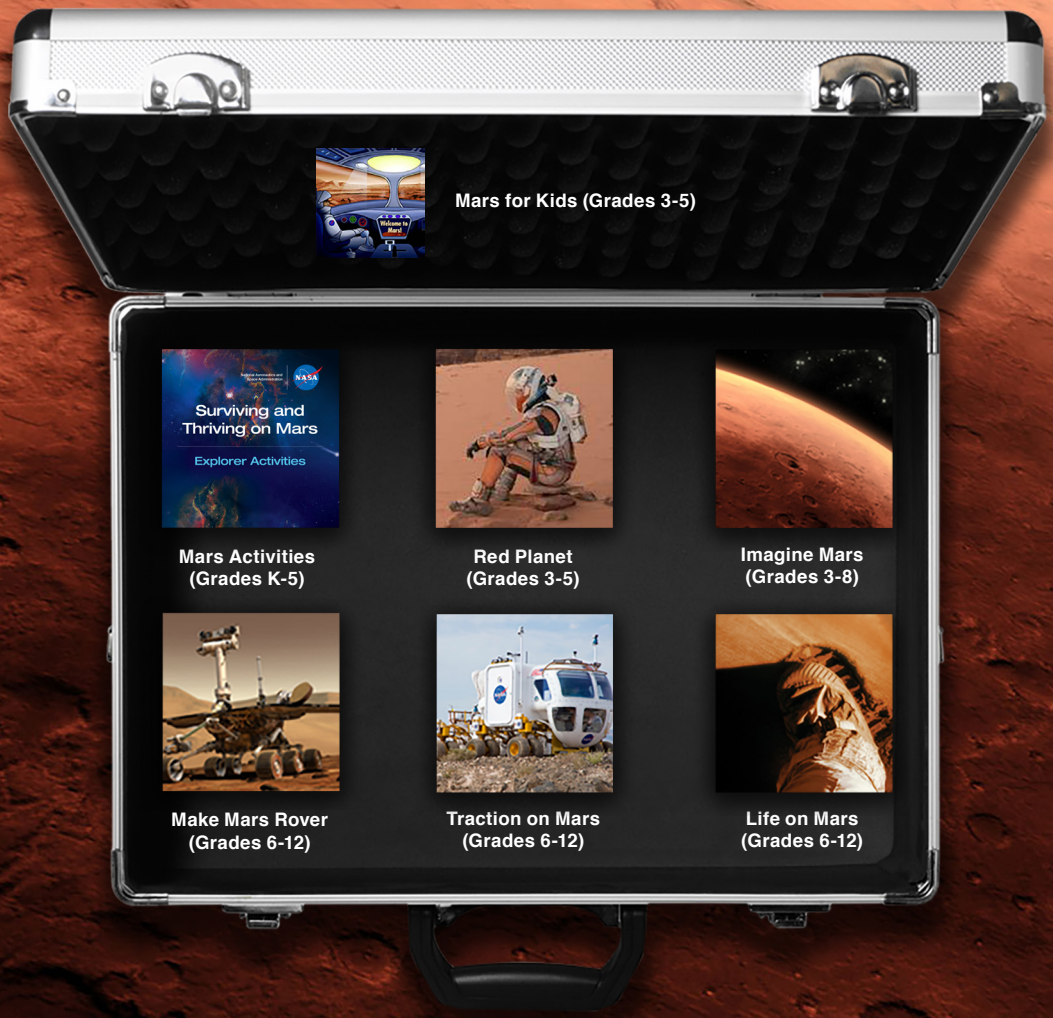
MARS
SURVIVAL KIT



Mars Activities (Grades K-5)

Surviving and Thriving on Mars Activities (Grades K-5)

Young explorers can take a trip to Mars with fun activities that share NASA's journey to the red planet. There are a range of activities that are suitable for students ages 5-12.

Mars for Kids (Grades 3-5)

Mars for Kids (Grades 3-5)

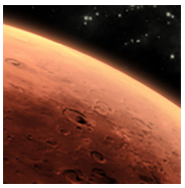
Link to online games about Mars, make paper spacecraft models, and download coloring sheets. There are additional activities about Mars under "More Ways to Explore".

MARS SURVIVAL KIT

Red Planet
(Grades 3-5)

Red Planet: Read, Write, Explore! (Grades 3-5)

Next Generation Science Standards: 3-LS4 Biological Evolution: Unity and Diversity, 4-ESS3 Earth and Human Activity, 5-ESS2 Earth's Systems
Science and Engineering Practices: Analyzing and Interpreting Data
Disciplinary Core Ideas: LS4.C Adaptation, ESS3.B Natural Hazards, ESS2.A Earth Materials and Systems
Cross Cutting Concepts: Cause and Effect



Imagine Mars
(Grades 3-8)

Imagine Mars: Survival Kit Edition (Grades 3-8)

Next Generation Science Standards: MS-ETS1 Engineering Design, ETS2 Links Among Engineering, Technology, Science, and Society
Science and Engineering Practices: Asking Questions & Defining Problems, Developing and Using Models, Constructing Explanations and Designing Solutions
Disciplinary Core Ideas: ETS1.B Developing Possible Solutions, ESS2.A Earth Materials and Systems
Cross Cutting Concepts: Systems and System Models

Make Mars Rover
(Grades 6-12)

Make Your Own Mars Rover (Grades 6-12)

Next Generation Science Standards: MS-ETS1 Engineering Design, MS-PS2 Motion and Stability Forces and Interactions
Science and Engineering Practices: Analyzing and Interpreting Data
Disciplinary Core Ideas: ETS1.B Developing Possible Solutions, PS2.A Forces and Motion
Cross Cutting Concepts: Systems and System Models

Traction on Mars
(Grades 6-12)

Gaining Traction on Mars (Grades 6-12)

Next Generation Science Standards: MS-ETS1 Engineering Design, MS-PS2 Motion and Stability Forces and Interactions
Science and Engineering Practices: Analyzing and Interpreting Data, Engaging in Argument from Evidence
Disciplinary Core Ideas: ETS1.B Developing Possible Solutions, PS2.A Forces and Motion
Cross Cutting Concepts: Systems and System Models, Cause and Effect

Life on Mars
(Grades 6-12)

Is life on Mars possible and could humans establish settlements there? (Grades 6-12)

Next Generation Science Standards: MS-ESS2 Earth's Systems, MS-LS2 Ecosystems: Interactions, Energy and Dynamics
Science and Engineering Practices: Analyzing and Interpreting Data, Engaging in Argument from Evidence
Disciplinary Core Ideas: LS2.C Ecosystem Dynamics, Functioning and Resilience, ESS2.C The Roles of Water in Earth's Surface Processes
Cross Cutting Concepts: Stability and Change, Cause and Effect